

Risk and Exploration Earth, Sea and the Stars

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"I am looking for someone to share in an adventure that I am arranging, and it's very difficult to find the right person." Gandalf, the Wizard, to Bilbo Baggins.
(From The Hobbit by J. R. R. Tolkien)



RISK

- Mission Risk or Expedition Success
- Personal Risk
 - Transportation to and from research sites
 - Living and working in remote environments
 - Scientific credibility
 - Family
- Risk to others, or assigned risk
 - Expedition leader assigning risk
 - Program managers assigning risk

Personal Risk

- Transport to and from remote locations



McMurdo Dry Valleys Antarctica





Drilling Through 4-6m of ice



Melting a Dive Hole





































